

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061323AL\
 Data File : FE042579.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2023 11:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/14/2023
 Supervised By :Ankita Jodhani 06/14/2023

Integration File: autoint1.e
 Quant Time: Jun 14 01:50:42 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.940	3360231	19.030 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
12) S 1-chlorooctadecane (S...	13.376	2482151	18.680 ug/ml
Spiked Amount 50.000		Recovery =	37.36%
Target Compounds			
1) T n-Nonane (C9)	3.320	2765328	19.177 ug/ml
2) T n-Decane (C10)	4.571	2929434	19.789 ug/ml
3) T A~Naphthalene (C11.7)	6.280	3168253	19.418 ug/ml
4) T n-Dodecane (C12)	6.741	2971112	19.813 ug/ml
5) T A~2-methylnaphthalene...	7.377	3040372	19.158 ug/ml
6) T n-Tetradecane (C14)	8.569	2947343	19.674 ug/ml
7) T n-Hexadecane (C16)	10.178	3050356	19.582 ug/ml
8) T n-Octadecane (C18)	11.621	3065314	19.384 ug/ml
10) T n-Eicosane (C20)	12.930	2910591	19.201 ug/ml
11) T n-Heneicosane (C21)	13.542	2824274	19.063 ug/ml
13) T n-Docosane (C22)	14.128	2770128	18.896 ug/ml
14) T n-Tetracosane (C24)	15.232	2706709	18.750 ug/ml
15) T n-Hexacosane (C26)	16.253	2637880	19.046 ug/ml
16) T n-Octacosane (C28)	17.203	2653462	19.819 ug/ml
17) T n-Tricontane (C30)	18.090	2940345	21.782 ug/ml
18) T n-Dotriacontane (C32)	18.923	3029705	22.679 ug/ml
19) T n-Tetratriacontane (C34)	19.709	2914236	22.160 ug/ml
20) T n-Hexatriacontane (C36)	20.448	2797002	21.520 ug/ml
21) T n-Octatriacontane (C38)	21.195	2824350	20.817 ug/mlm
22) T n-Tetracontane (C40)	22.123	2896202	20.818 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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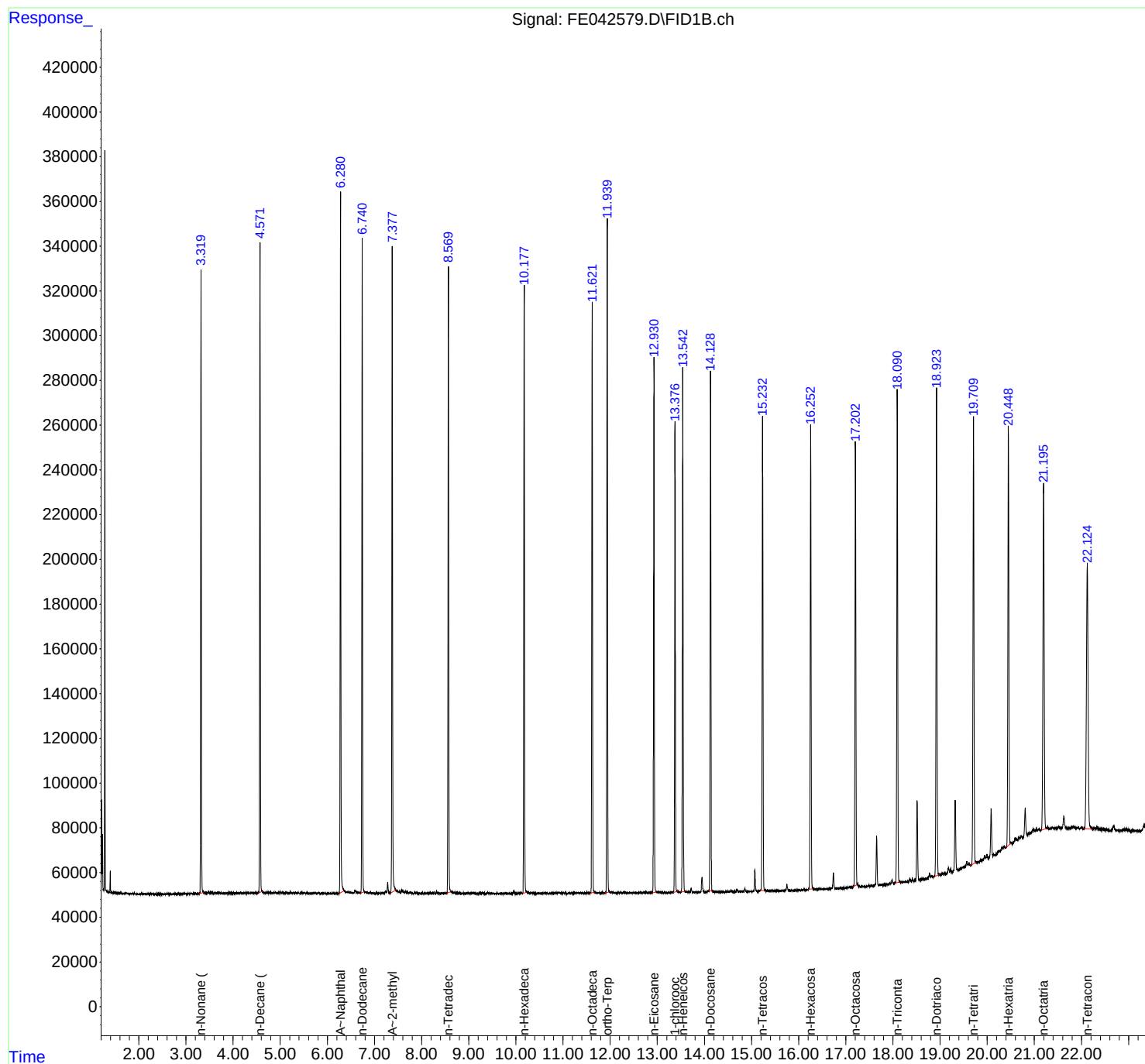
Instrument :
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20 PPM ALIPHATIC HC STD

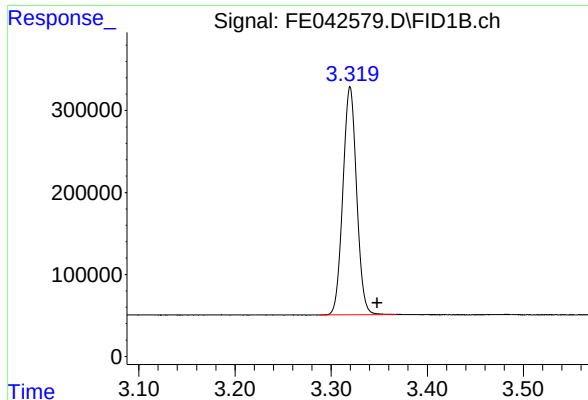
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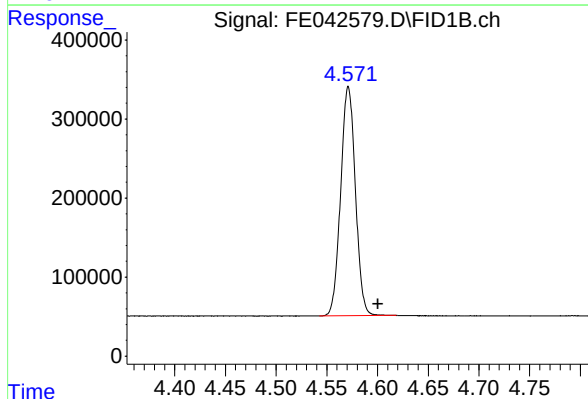
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.028 min
Response: 2765328
Conc: 19.18 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

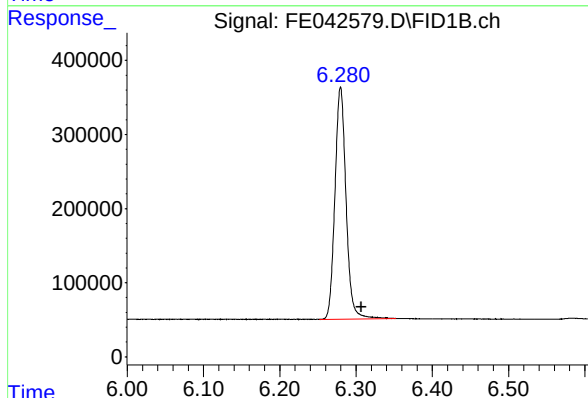
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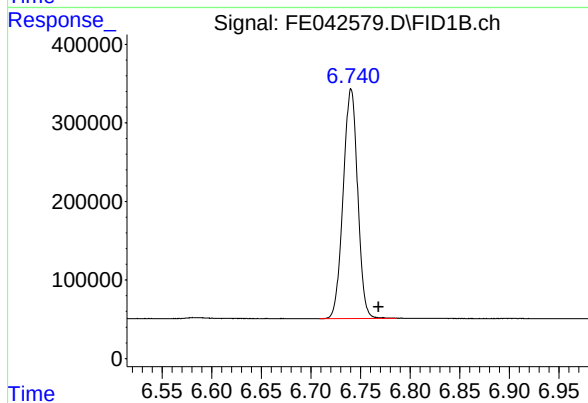
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: -0.029 min
Response: 2929434
Conc: 19.79 ug/ml



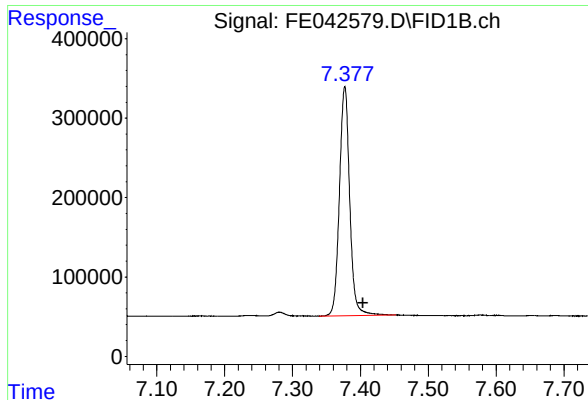
#3 A~Naphthalene (C11.7)

R.T.: 6.280 min
Delta R.T.: -0.027 min
Response: 3168253
Conc: 19.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.741 min
Delta R.T.: -0.028 min
Response: 2971112
Conc: 19.81 ug/ml



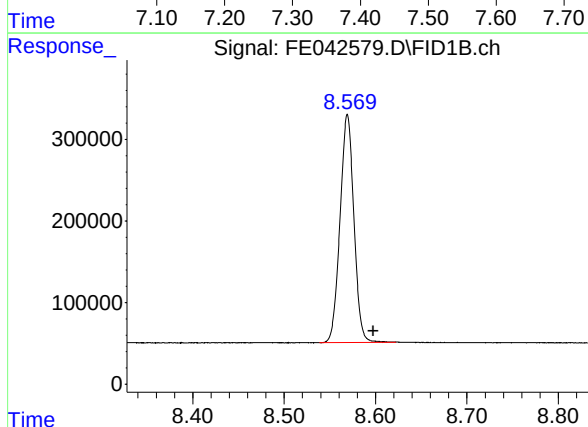
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: -0.026 min
Response: 3040372
Conc: 19.16 ug/ml

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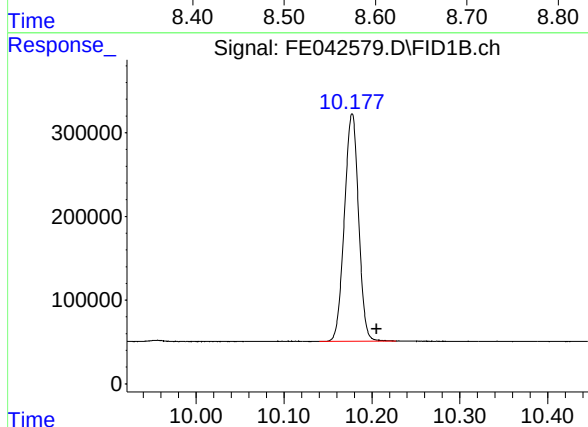
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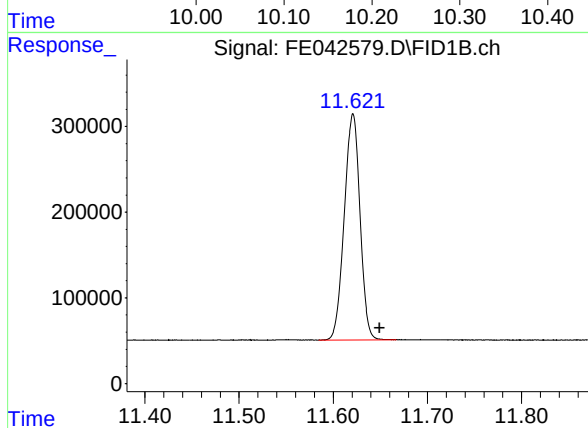
#6 n-Tetradecane (C14)

R.T.: 8.569 min
Delta R.T.: -0.028 min
Response: 2947343
Conc: 19.67 ug/ml



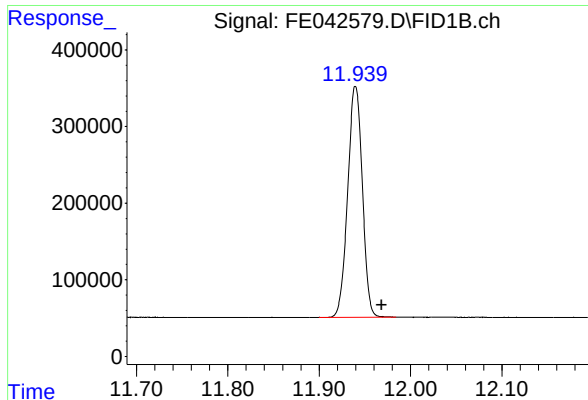
#7 n-Hexadecane (C16)

R.T.: 10.178 min
Delta R.T.: -0.028 min
Response: 3050356
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.621 min
Delta R.T.: -0.028 min
Response: 3065314
Conc: 19.38 ug/ml



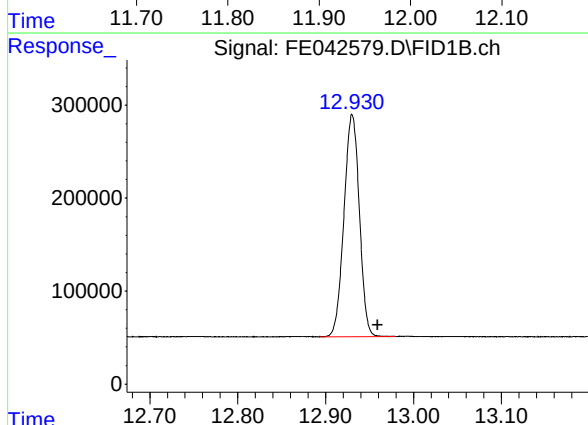
#9 ortho-Terphenyl (SURR)

R.T.: 11.940 min
Delta R.T.: -0.028 min
Response: 3360231
Conc: 19.03 ug/ml

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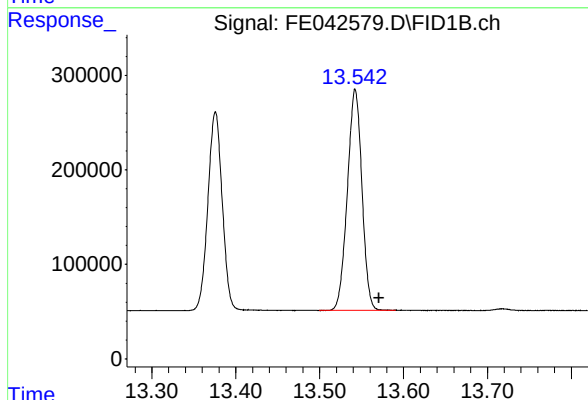
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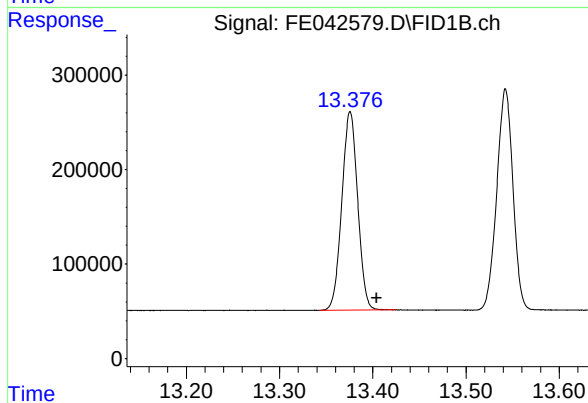
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: -0.029 min
Response: 2910591
Conc: 19.20 ug/ml



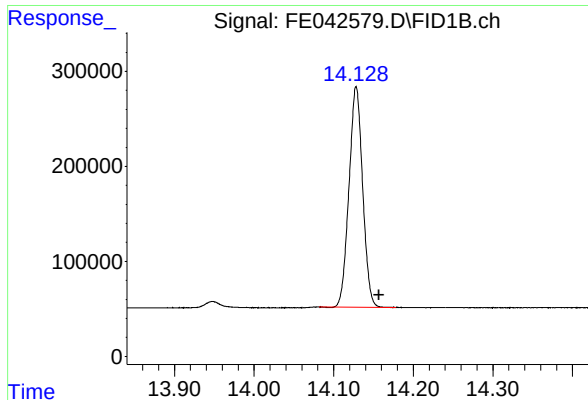
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: -0.028 min
Response: 2824274
Conc: 19.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.376 min
Delta R.T.: -0.028 min
Response: 2482151
Conc: 18.68 ug/ml



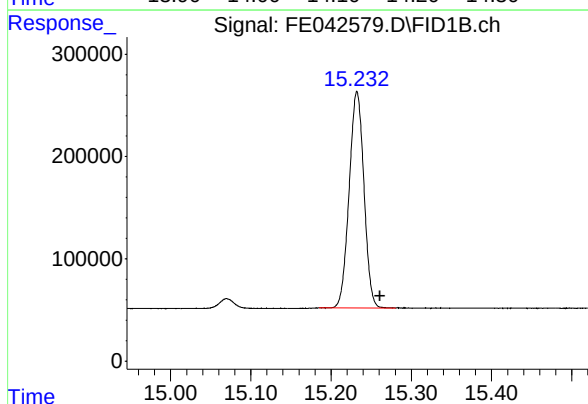
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: -0.029 min
Response: 2770128
Conc: 18.90 ug/ml

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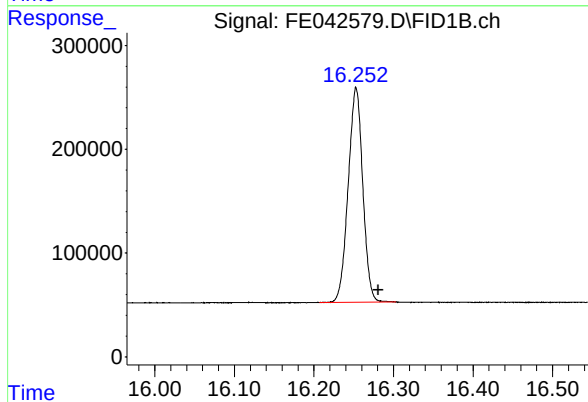
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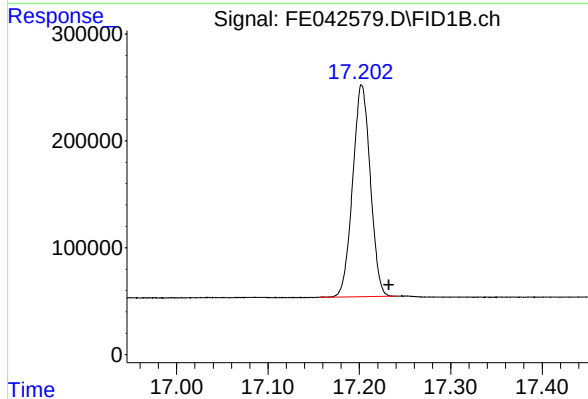
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: -0.029 min
Response: 2706709
Conc: 18.75 ug/ml



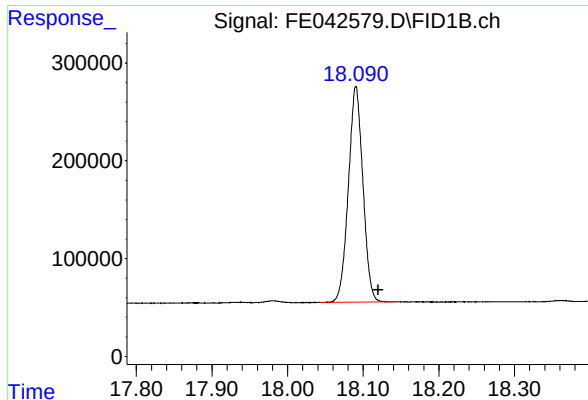
#15 n-Hexacosane (C26)

R.T.: 16.253 min
Delta R.T.: -0.028 min
Response: 2637880
Conc: 19.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: -0.030 min
Response: 2653462
Conc: 19.82 ug/ml



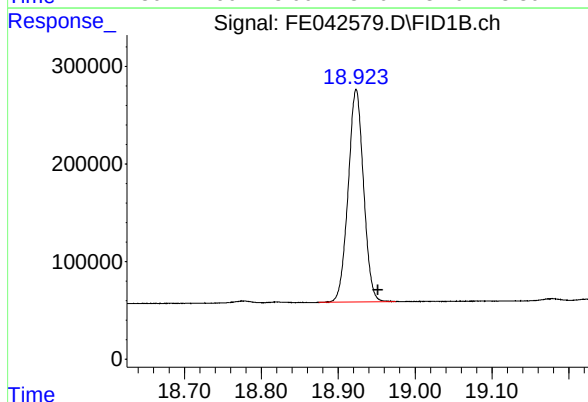
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.029 min
Response: 2940345
Conc: 21.78 ug/ml

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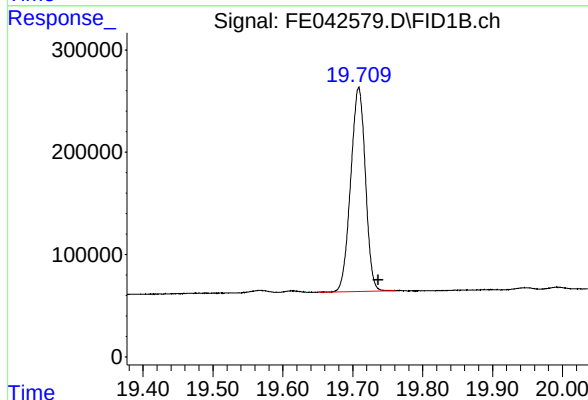
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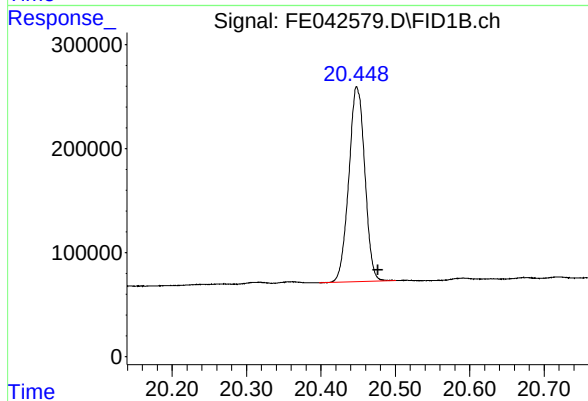
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: -0.028 min
Response: 3029705
Conc: 22.68 ug/ml



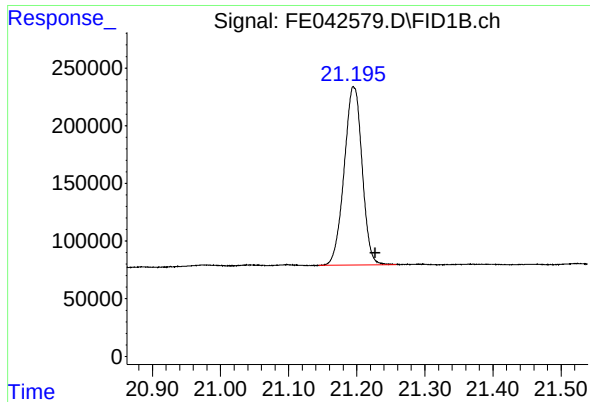
#19 n-Tetratriacontane (C34)

R.T.: 19.709 min
Delta R.T.: -0.028 min
Response: 2914236
Conc: 22.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.029 min
Response: 2797002
Conc: 21.52 ug/ml



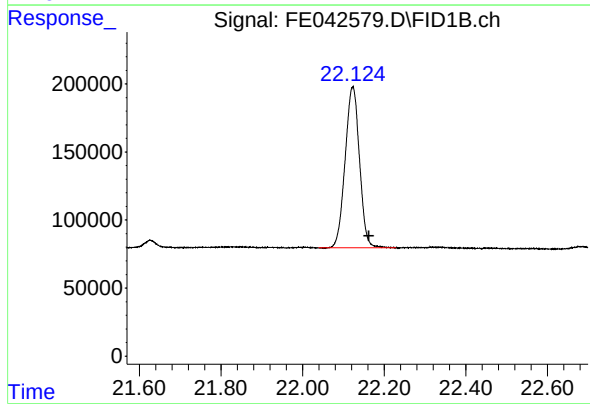
#21 n-Octatriacontane (C38)

R.T.: 21.195 min
Delta R.T.: -0.032 min
Response: 2824350
Conc: 20.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.123 min
Delta R.T.: -0.040 min
Response: 2896202
Conc: 20.82 ug/ml